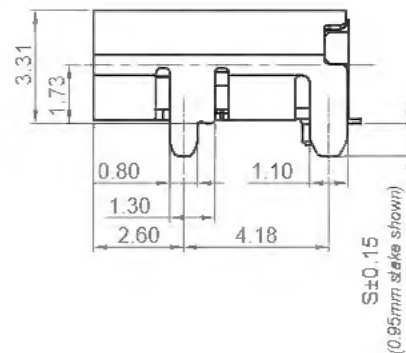
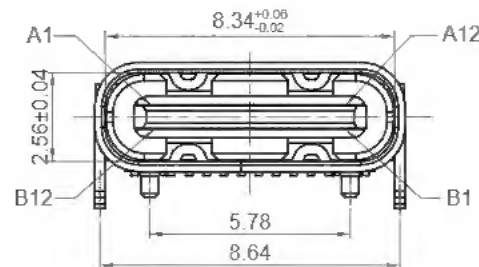
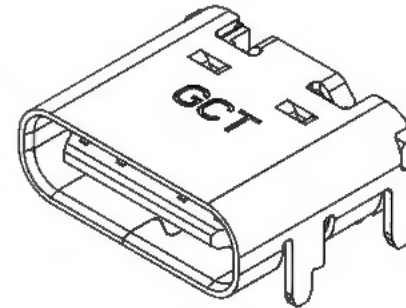


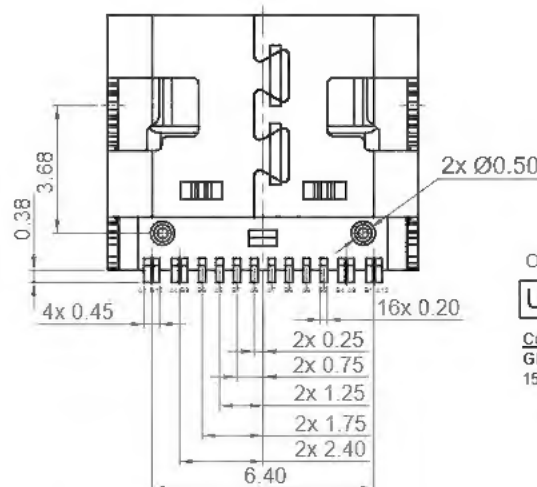
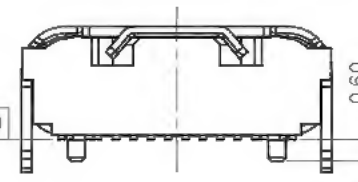
#### Recommended PCB Layout

As viewed from component side Tolerance:  $\pm 0.05\text{mm}$

■ Solder Area □ Component Outline



0.10



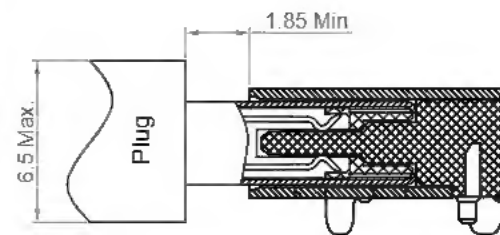
#### Ordering Grid

USB4105 - XX - A - XXX Request Samples and Quotation

Contact Plating  
GF = Gold Flash (standard)  
15 = 15µ" Gold

Packing Options  
A = Tape & Reel

Shell Stake Length "S"  
Blank = 0.95mm  
060 = 0.60mm  
120 = 1.20mm



Plug and Receptacle Mating View

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V <sub>bus</sub>	First	B9	V <sub>bus</sub>	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V <sub>bus</sub>	First	B4	V <sub>bus</sub>	First
A12	GND	First	B1	GND	First
SHELL			SHELL		

#### Specifications

##### Material

Insulator: LCP, UL 94V-0, Black

Contact: Copper Alloy

Shell: Stainless steel

Mid Plate: Stainless Steel

##### Plating

Contact:

Contact Area: See Ordering Grid

Solder Tails: Gold Flash

Underplating: 50µ" min. Nickel All Over

Shell: 30µ" min. Nickel

Mid Plate: Clear

##### Electrical

Current Rating: 5.00A collectively for V<sub>bus</sub> pins

6.25A collectively for GND pins

1.25A for A5/B5 pin

0.25A per pin for all other pins

Voltage Rating: 48V DC

Power Rating: 240W

Contact Resistance: 40mΩ max. initial.

50mΩ max. after test

Dielectric Withstanding Voltage: 100V AC

Insulation Resistance 100MΩ min.




##### Mechanical & Environmental

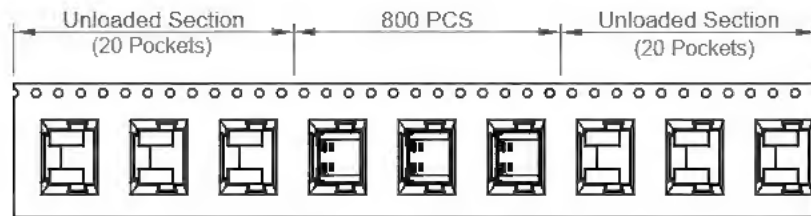
Operating Temperature: -40°C to +85°C

Mating Force: 5 to 20 N.

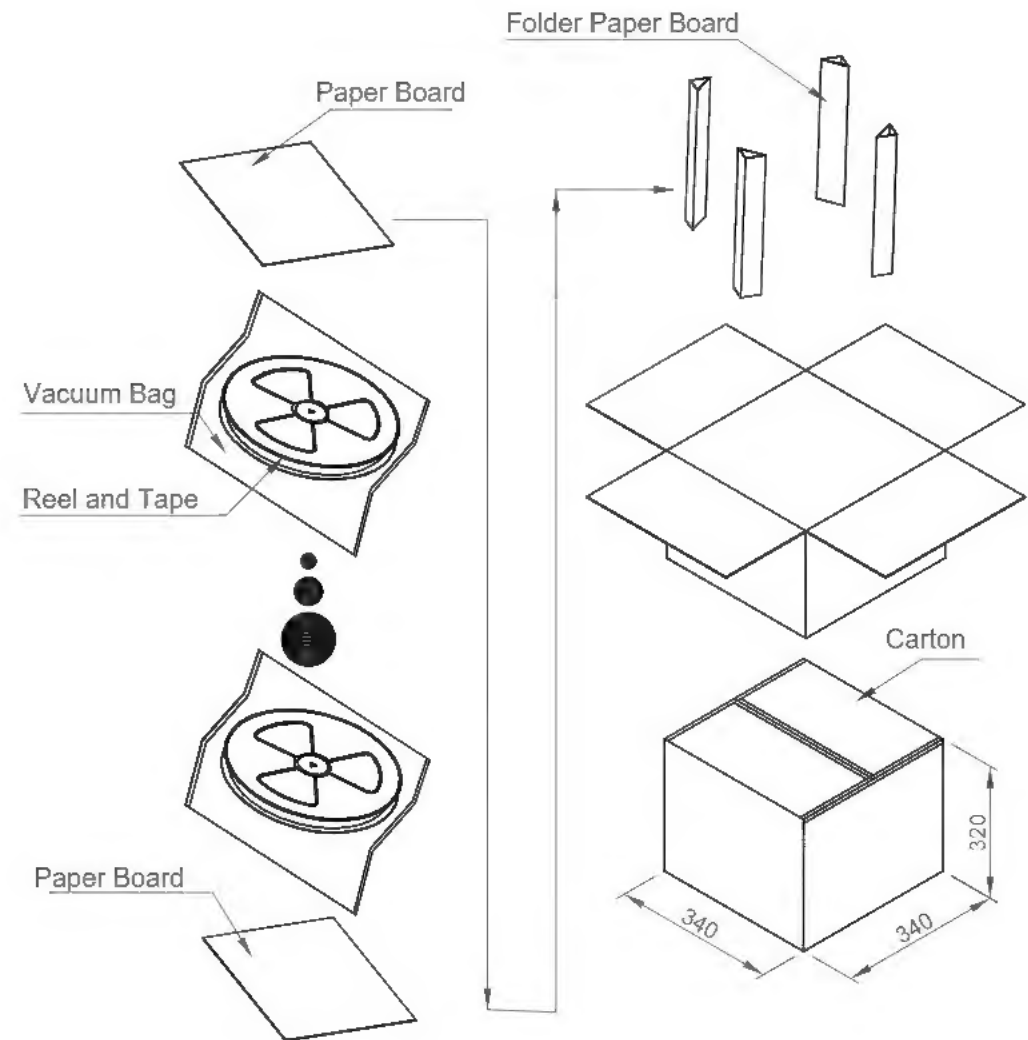
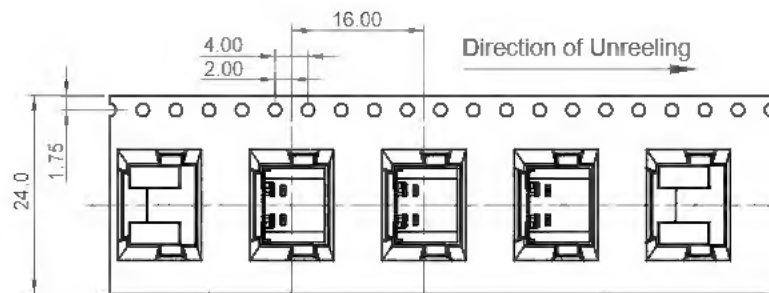
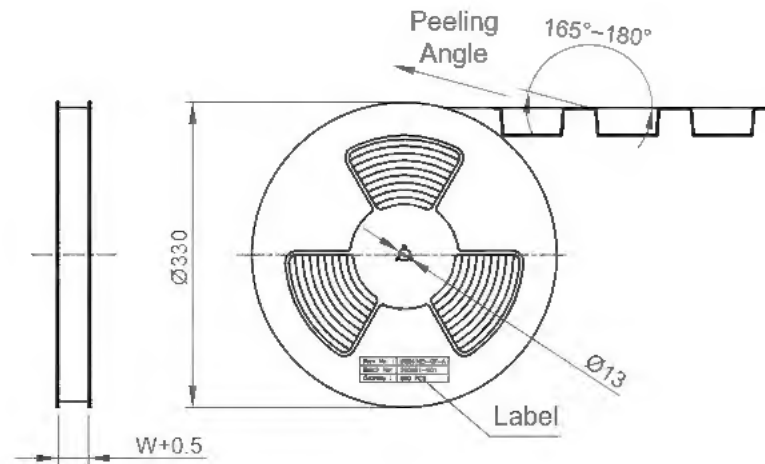
Unmated Force: 6 to 20 N after test

Durability: 20,000 cycles





Part Number USB4105		Product Description USB Type C Receptacle for USB 2.0 SMT Type, PCB Top Mount	
Drawing Date 4th October 2019			
By CC	Tolerances (Except as Noted) Length X ± 0.38 X.X ± 0.30 X.XX ± 0.15 X.XXX ± 0.10	Units: Metric (mm)	  This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE
Detail USB4105 B PCN	Angle X ± 12° X.X ± 1°		
Revision B3			
Date 24/02/23			
Not to Scale		Drawn By CC	Sheet No 1/2



Direction of Unreeling



Pcs / Reel	Reels / Carton	Total Quantity
800	10	8000 pcs

Part Number USB4105		Product Description USB Type C Receptacle for USB 2.0 SMT Type, PCB Top Mount				 <a href="http://www.gct.co">www.gct.co</a>
Drawing Date 4th October 2019						
By CC		Tolerances (Except as Noted) Length	Units: Metric (mm)	 	This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
Detail USB4105 B PCN						
Revision B3						
Date 24/02/23						
					Not to Scale Drawn By CC	Sheet No. 2/2

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